**AP Statistics Syllabus and Policies**

**Mr. Sever (Fall 2021)**

**GENERAL:**

It is my hope that you will think this is one of the most useful math courses you have ever taken. It is practical for any profession. It is an AP course so there is rigor, but I believe it is manageable. Students are strongly encouraged to take the AP test in mid-May. Assessments given in class will be consistent with the type of questions on the AP test.

**COURSE CONTENT:**

From the College Board website: 

Essentially we will

* Look at data to discover trends and deviations from trends (Fall)
* Learn how to conduct an study, including appropriate sampling techniques (Fall)
* Predict the future ☺ using probability (Fall, Spring)
* Make educated decisions and conclusions using the data.

Just like statisticians do. (Spring)

**CALCULATORS:**

Trust me, your calculator will be your BEST friend. You need to have a TI-83 or an 84 (84 will make your life a little less stressful). A Ti-89 will also work. An Nspire will also work but the keystrokes are totally different than what you will see in class. (I plan on using the TI-84)

**NOTEBOOKS/TEXTBOOK**

You are all upperclassman, I will not tell you what type of notebook to use, however you will need to take good notes. This course is different from other math courses, it involves much more reading and writing. You will be expected to get the textbook and read the textbook. Unlike traditional math classes this class spends a lot of time interpreting x, not just finding x.

Textbook chapters covered first semester are 1-7, second semester, 8-12. (However we do chapter 4 first)

**TESTS/QUIZZES**

Quizzes will be given periodically and will USUALLY be announced. They are to let you (am me) know where you are doing well and where you need extra help. Tests are much more comprehensive and will mirror the type of questions you will see on the AP exam. Most tests will be a combination of Multiple Choice and Free Response. They are designed to be challenging and mirror the work you have been doing in class and homework. If a test is missed it can be made up at my convenience (usually before or after school). A grade of 0 is given until the test is made up. *Make up tests will NOT be the same test that was given on test day. Assessments will NOT be given virtually!!*

**FREE RESPONSE QUESTIONS:**

Free response questions are essential to doing well in statistics. You will be expected to complete one each unit. They will be completed in class, usually the day before the unit test. They are timed and I will use the College Board rubric to grade. (Therefore you have to know your stuff to get an A) The goal is to get you very comfortable with these type of questions.

**HOMEWORK:**

This is a college level class. Homework will be assigned per chapter. Homework will sometimes be out of the book and sometimes on AP classroom. Homework is for you to practice, if you choose not to practice you will likely not do well on the assessments. Any “homework” that is graded, (usually stuff on AP Classroom) will be put in the quiz category.

**PROJECTS:**

Projects when given will be counted in the test category and students will be given a rubric prior to turning in. Projects are supposed to be challenging and thought provoking, and will not be a “automatic A”

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**GRADES:**

What you have been waiting for:

Tests/Projects 45% Quizzes/AP Classroom: 20% Free Response Questions: 15%

 Final Exam 20% (Spring will be 10% practice AP test and 10% final “assignment”)

**EXTRA HELP AND A FINAL THOUGHT.**

There are two things you can control 100% of the time, Attitude and Effort. Good attitude means making the best of any situation, taking responsibility and not making excuses. Good Effort means always doing work that you can be proud of. I am much more impressed with someone who has to work really hard for a B, than someone who should get an A, but is lazy and settles for a B.

Also, I have no tolerance for dishonest people, period!

--It takes a unique person to do the right thing even when no one is looking.